ADP-1156 Display Monitor
User Manual

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Warning!

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual. It may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Electric Shock Hazard – Do not operate the machine with its back cover removed. There are dangerous high voltages inside.

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Chapter 1

1.1 Features

- 15” TFT XGA LCD with luminance of 400 cd/m²
- Five edges panel NEMA 4/IP 65 rated
- Resistive touch screen (optional)
- VESA mount
- VGA Input, with optional DVI, Video or S-Video input
- Supports wide-ranging resolutions from 640x480 to up to 1600x1200 with auto phase and auto position

1.2 Specifications

Display

- Display: 15” color active TFT flat panel display
- Maximum resolution: 1024 x 768 (native mode)
- Maximum colors: 16.2M
- Luminance: 400 cd/m²
- Viewing angle: 140°(H), 125°(V) for ADP-1156
- Backlight life: CCFL 2 tubes 10,000 hrs
- OSD controls/indicators: automatic screen, setup (OSD), brightness, contrast, horizontal/vertical position, image lock, color balance, video information, power on and sync detection
- Touch screen: resistive antiglare
- OS compatibility: Win 95/98, XP, 2000, NT4.0, QNX, Linux
- Power Input: 12V DC, 11~28V/DC (Optional)

Mechanical

- Construction: stainless steel chassis
- Mounting VESA mount
- OSD on the rear side
- Dimensions: 398(W) x 316(H) x 53mm (D)
- Weight: 6.0 kg

Environmental

- Operating temperature: 0 to 50℃ (32 to 122℉)
- Storage temperature: -20 to 60℃ (-4 to 140℉)
- Relative humidity: 10 to 95% @40℃, non-condensing, without touch screen
- Vibration: 1G peak, 5~500Hz (at random)
- Shock: 15G peak acceleration (11 msec.duration)
- EMC: CE, FCC Class A

Ordering Information

ADP-1156	15” industrial display monitor (stainless steel bezel & rear OSD)
ADP-1156T	15” industrial display monitor (stainless steel bezel & rear OSD) with resistive touch screen

1.3 Dimensions

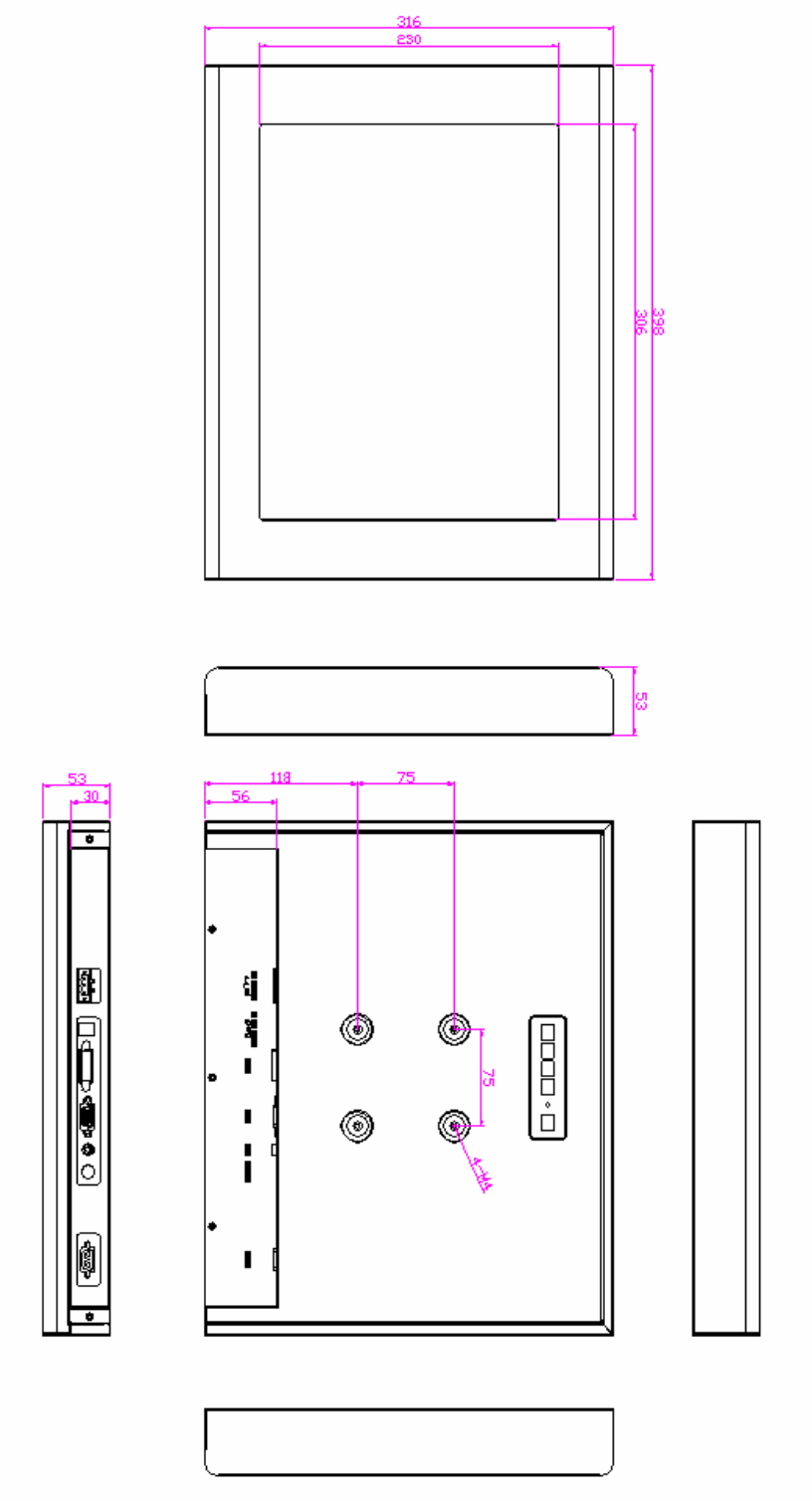

Figure 1.1: Dimensions of the ADP-1156

1.4 Brief Description of the ADP-1156

The ADP-1156 features an excellent viewing ability for monitoring and control applications. It is available with resistive touch screen that is easy to use and maintain.

The front panel of the display monitor is sealed with gasket for NEMA 4/IP 65 rating when it is panel-mounted in a NEMA rated cabinet or enclosure.

Figure 1.2: Front View of the ADP-1156

Figure 1.3: Rear View of the ADP-1156

1.5 Display Mode

Display Mode		Hori. Sync (KHz)	Vert. Sync. (Hz)
VGA 640 x 480		31	60
		38	72
		38	75
SVGA 800 x 600		35	56
		38	60
		48	72
		47	75
XGA 1024 x 768		48	60
		56	70
		60	75
SXGA	1152 x 864	68	75
	1280 x 1024	64	60
		80	75

Chapter 2

2.1 On Screen Display Controls

Power switch: To turn ON or OFF the power

Shift the icon to the right side or shift it up

Shift the icon to the left side or shift it down

Menu: To enter OSD menu for related icon and item.

Auto Button: One-touch auto adjustment

2.2 OSD Controls

To make any adjustment, select the following:

1. Press (Menu) to show the OSD menu or disable the OSD menu.
2. Select the icon that you wish to adjust with the (/ or +/-) key in the menu.
3. Press (Menu) and then choose the item with the (/ or +/-) key.
4. Press (Menu) and then adjust the quality with the (/ or +/-) key.

2.3 Main Menu

In the **Main** menu, there are the following items:

- Color
- Image Setting
- Position
- OSD Menu
- Language
- Misc
- Exit

For **Color**, check out the following:

- Contrast
- Brightness
- Color Adjust
- Color Temp
- Back

For **Image setting**, check out the following:

- Clock
- Phase
- Gamma
- Sharpness
- Back

In the **Position**, there are the following:

- H. Position
- V. Position
- Back

In the **OSD** menu, there are:

- OSD H. Pos.
- OSD V. Pos.
- OSD Timer
- Back

In the **Language** menu, there are:

- English
- Frances
- Germany
- Spanish
- Traditional Chinese
- Simplified Chinese
- Japanese

In the **Misc** menu, there are:

- Signal Source
  Select VGA: Analogue VGA Input
  Select DVI: Digital DVI-D Input
  Select AV: Composite Video Input
  Select SV: S-Video Video Input
- Reset
- Back

2.4 AD Board (TB-6020) OSD Functions

1.) Getting into Burn-in Mode

Before setting into a burn-in mode, first disconnect the AC power cord. Then press (don't let them go) the buttons until the AC power cord is connected and the "RGB" appears on the top left corner of your screen. Now it can be put into the burn-in mode for changing colors.

2.) Getting Out of Burn-in Mode

Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the button (If not workable, press the button and don't let them go) until the AC power cord is connected. Please don't let your fingers go until the AC power cord is connected again and the wording of "RGB" appears on the top left corner of your screen, and wait for 3 second. Under the non-signal entry situation, if **Cable Not Connected** is seen, exit is thus successfully made.

When the Burn-in Mode is Unable to Eradicate…

1.) If the "RGB" is still on the top left corner of the screen, press to enter "Miscellaneous" and choose "Reset", and then **Yes,** and press . When the screen goes black, disconnect power and repeat the above steps.

2.) If the "RGB" is not found, disconnect the AC power cord first. Then press the buttons (don't let them go) until the AC power cord is connected, and wait for 2 to 3 seconds. When "RGB" appears, repeat the above steps.

3.) Functions of OSD Keys